

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111918\
 Data File : VV008656.D
 Acq On : 19 Nov 2018 17:47
 Operator : SY/MD
 Sample : J5995-12
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FM5

Quant Time: Nov 20 08:32:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 20 06:56:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	154204	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	141409	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61463	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29748	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.59	69	24956	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.14	63	45717	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	3.96	46	120000	48.96	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.92%
24) Chloroform-d	4.41	84	85007	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.09	65	45701	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.10	84	165757	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.12	67	53313	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	7.36	98	148913	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.67	79	17073	3.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.20%
46) 2-Hexanone-d5	8.14	63	90776	44.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37892	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	52018	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

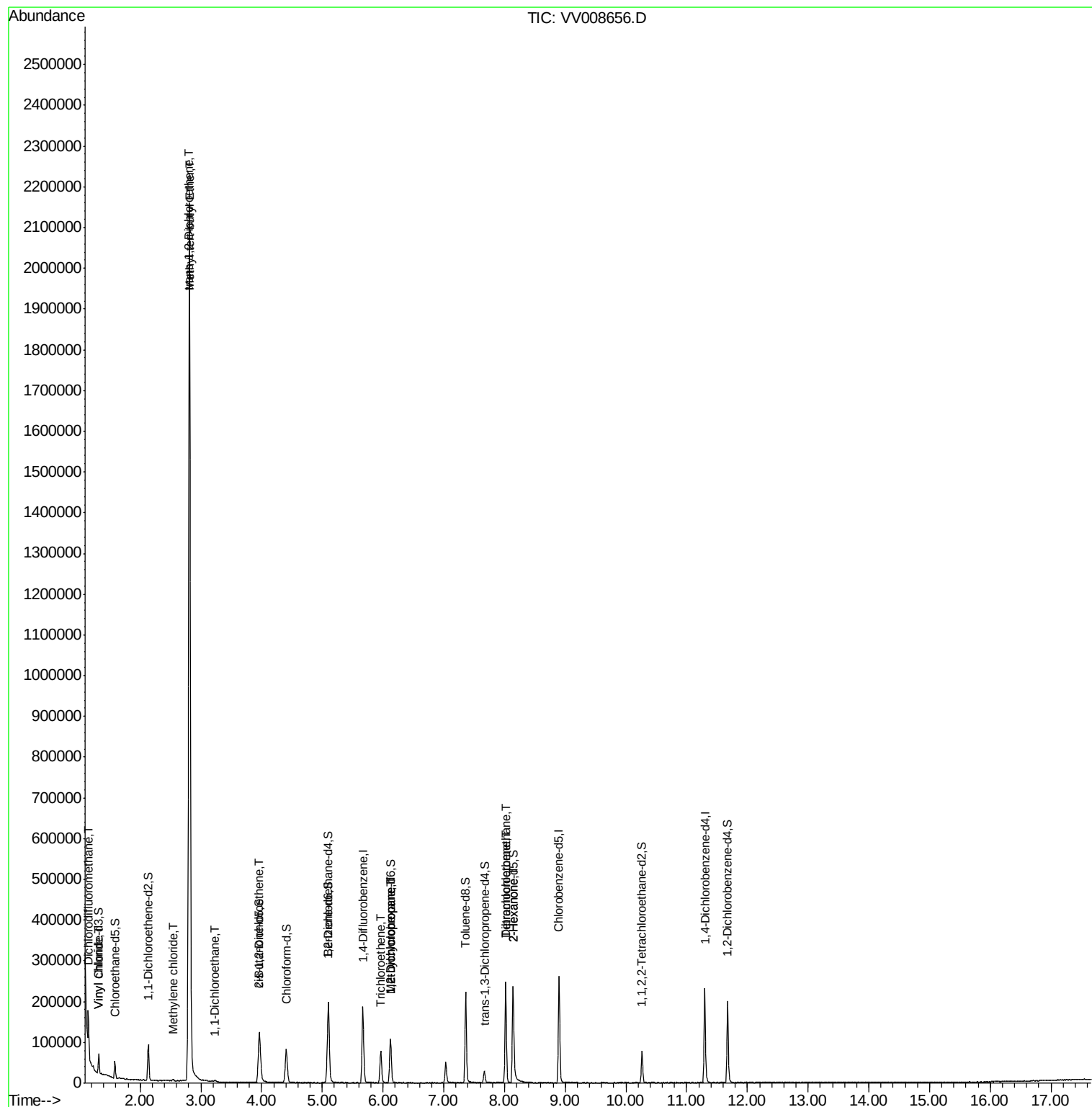
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.15	85	1440	0.113	ug/L	95
5) Vinyl chloride	1.33	62	1015	0.104	ug/L #	11
16) Methylene chloride	2.54	84	1420	0.163	ug/L	86
17) Methyl tert-butyl Ether	2.81	73	2220391	116.703	ug/L	98
18) trans-1,2-Dichloroethene	2.80	96	1518	0.196	ug/L	94
19) 1,1-Dichloroethane	3.23	63	2721	0.139	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	34734	2.965	ug/L	98
34) Trichloroethene	5.96	95	27735	2.341	ug/L	96
35) Methylcyclohexane	6.12	83	12549	0.625	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	5831	0.495	ug/L #	89
47) Tetrachloroethene	8.02	164	53617	6.253	ug/L	96
48) 2-Hexanone	8.14	43	11518	2.474	ug/L #	69
49) Dibromochloromethane	8.02	129	50739	5.949	ug/L #	10

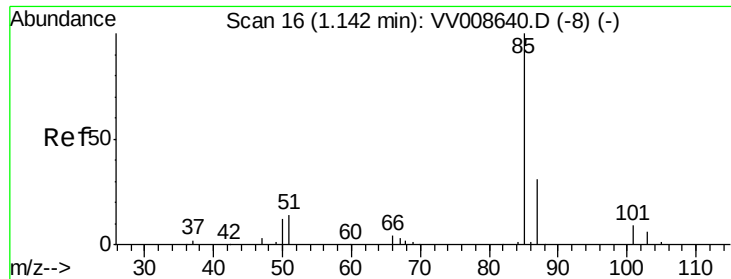
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 20 06:56:52 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.113 ug/L

RT: 1.15 min Scan# 17

Delta R.T. 0.00 min

Lab File: VV008656.D

Acq: 19 Nov 2018 17:47

Instrument :

MSVOA_V

ClientSampleId :

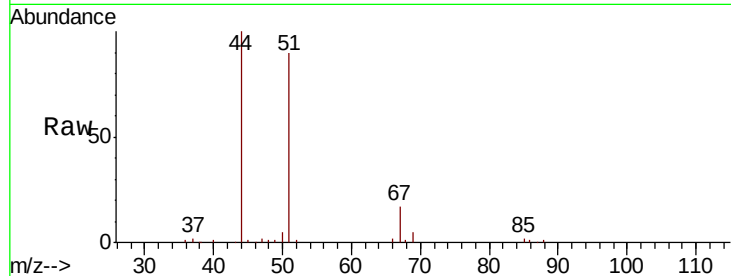
H0FM5

Tgt Ion: 85 Resp: 1440

Ion Ratio Lower Upper

85 100

87 29.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

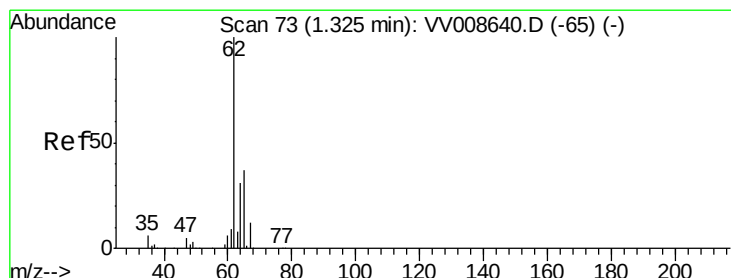
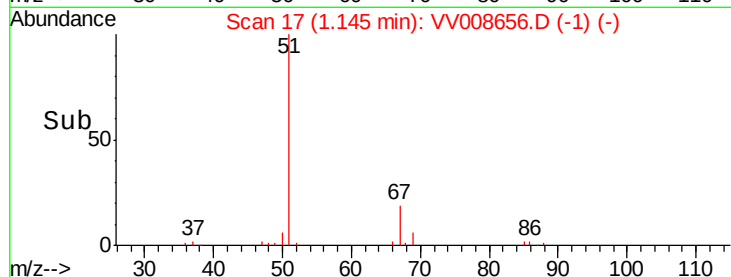
1.15

1000

500

0

Time-->



#5

Vinyl chloride

Concen: 0.104 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008656.D

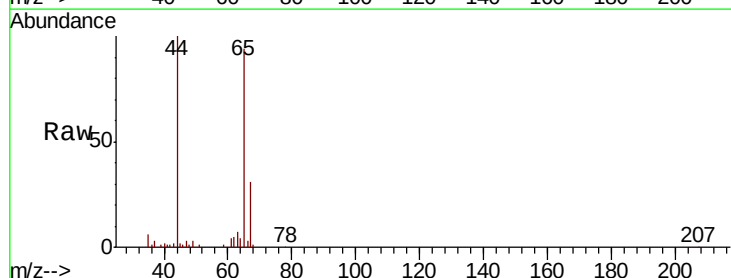
Acq: 19 Nov 2018 17:47

Tgt Ion: 62 Resp: 1015

Ion Ratio Lower Upper

62 100

64 83.8 23.4 43.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.33

1000

800

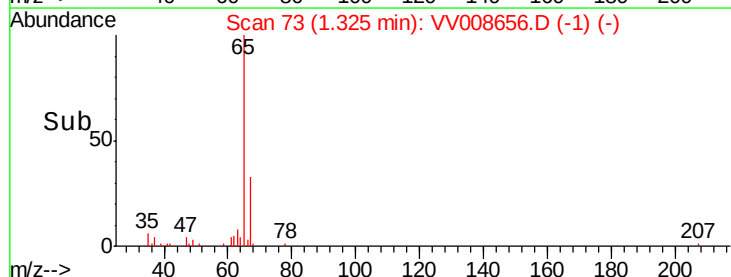
600

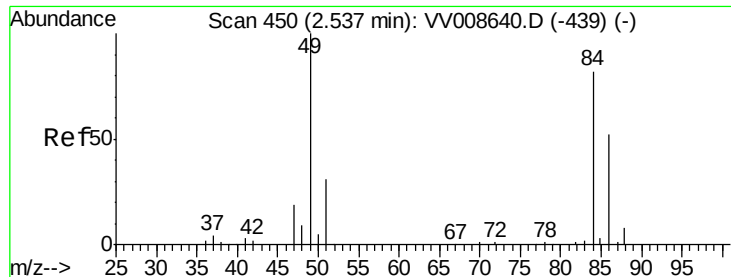
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200

0

Time-->

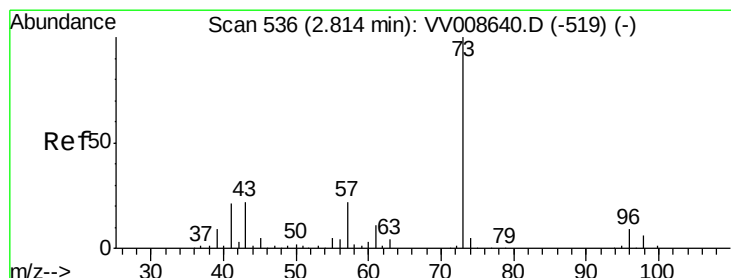
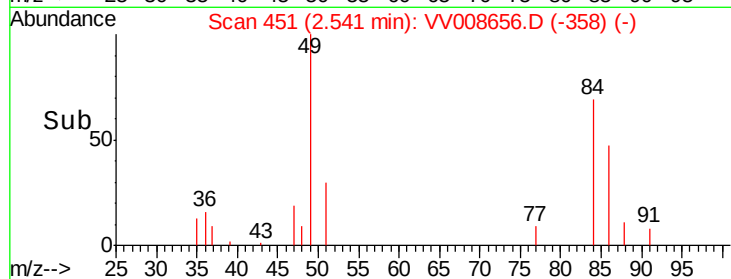
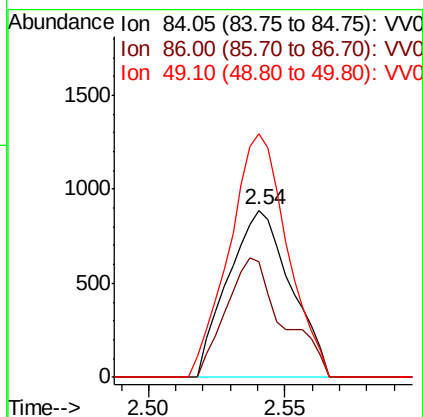
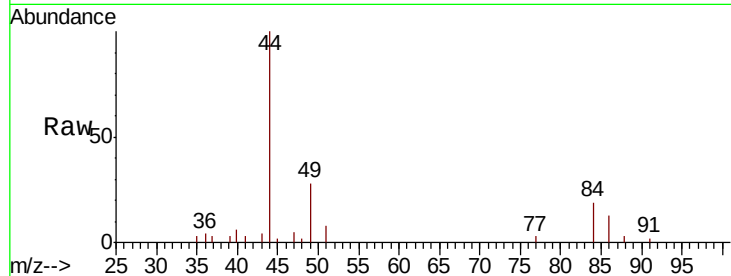




#16
Methylene chloride
Concen: 0.163 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008656.D
Acq: 19 Nov 2018 17:47

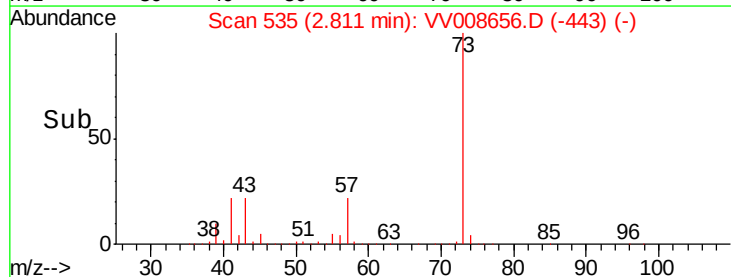
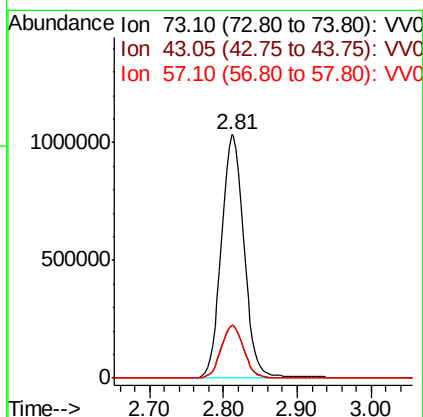
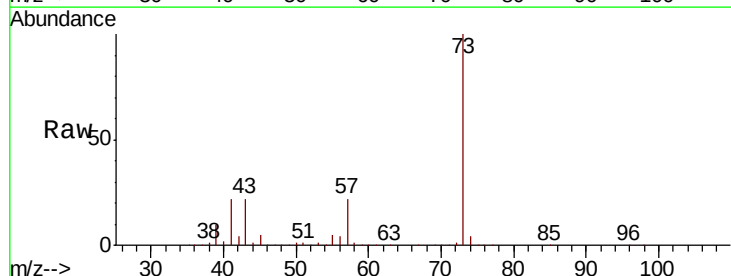
Instrument :
MSVOA_V
ClientSampleId :
H0FM5

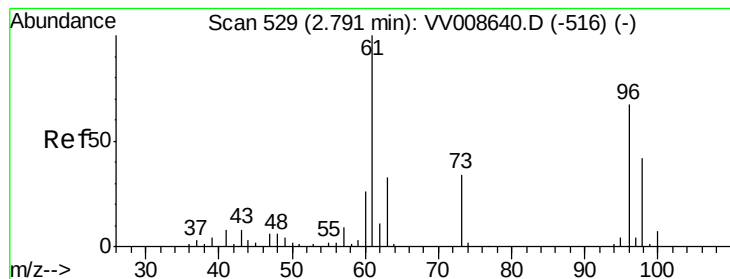
Tgt Ion: 84 Resp: 1420
Ion Ratio Lower Upper
84 100
86 68.8 44.8 83.2
49 145.7 88.1 163.7



#17
Methyl tert-butyl Ether
Concen: 116.703 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VV008656.D
Acq: 19 Nov 2018 17:47

Tgt Ion: 73 Resp: 2220391
Ion Ratio Lower Upper
73 100
43 21.7 18.1 27.1
57 21.7 17.9 26.9





#18

trans-1,2-Dichloroethene

Concen: 0.196 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV008656.D

Acq: 19 Nov 2018 17:47

Instrument :

MSVOA_V

ClientSampled :

H0FM5

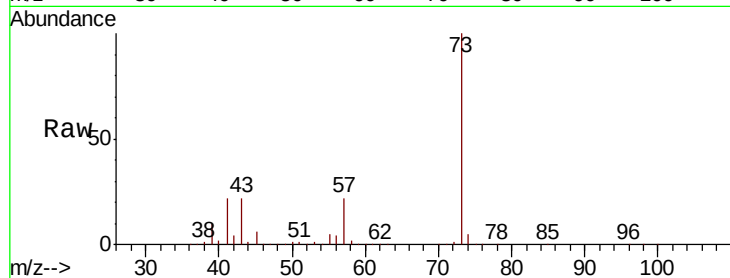
Tgt Ion: 96 Resp: 1518

Ion Ratio Lower Upper

96 100

61 140.2 97.1 180.3

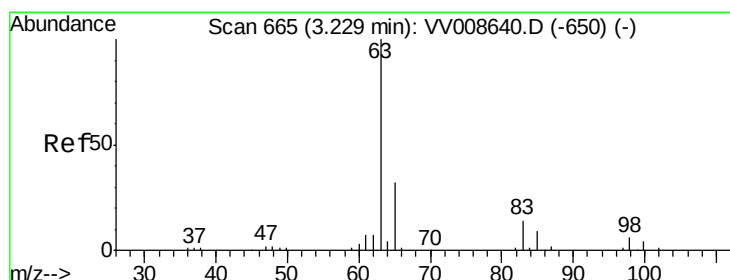
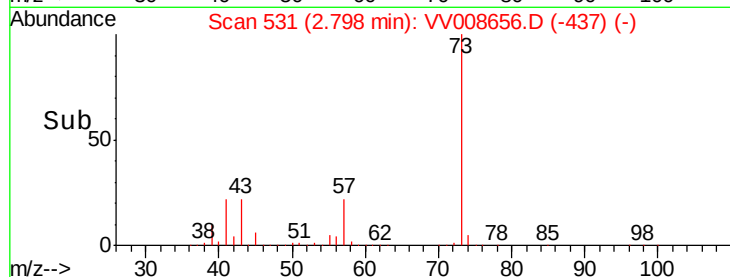
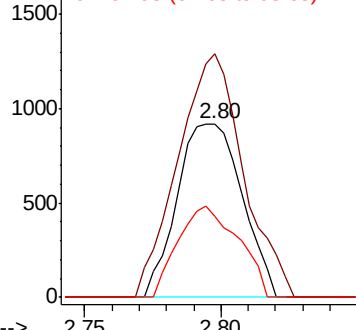
98 46.6 41.9 77.7



Abundance Ion 96.00 (95.70 to 96.70): VV008640.D (-516) (-)

Ion 61.05 (60.75 to 61.75): VV008640.D (-516) (-)

Ion 97.95 (97.65 to 98.65): VV008640.D (-516) (-)



#19

1,1-Dichloroethane

Concen: 0.139 ug/L

RT: 3.23 min Scan# 667

Delta R.T. 0.01 min

Lab File: VV008656.D

Acq: 19 Nov 2018 17:47

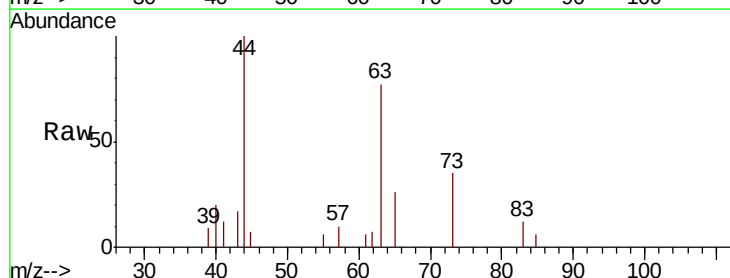
Tgt Ion: 63 Resp: 2721

Ion Ratio Lower Upper

63 100

65 33.2 23.2 43.0

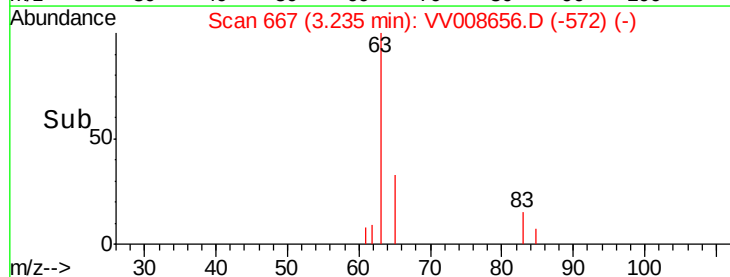
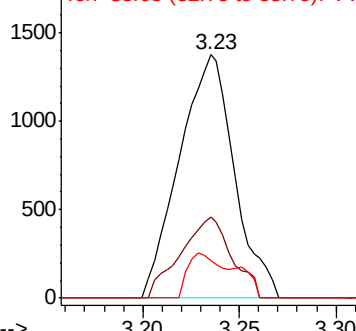
83 15.3 9.5 17.7

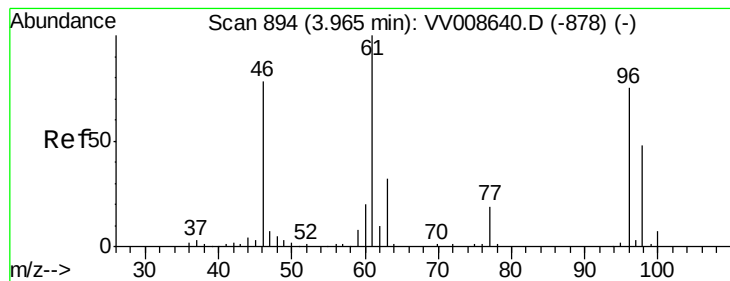


Abundance Ion 63.10 (62.80 to 63.80): VV008640.D (-650) (-)

Ion 65.10 (64.80 to 65.80): VV008640.D (-650) (-)

Ion 83.05 (82.75 to 83.75): VV008640.D (-650) (-)



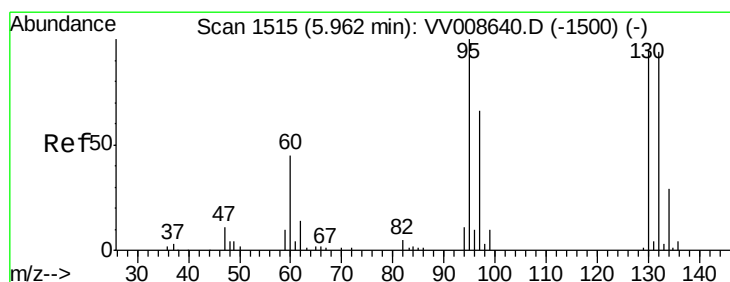
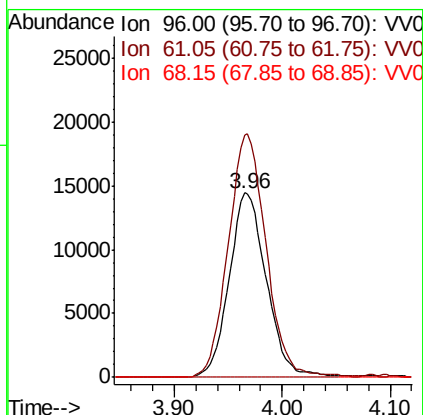
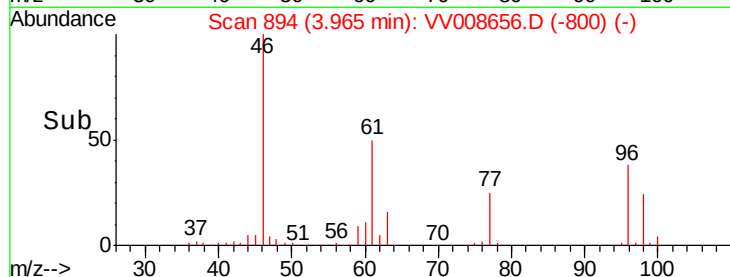
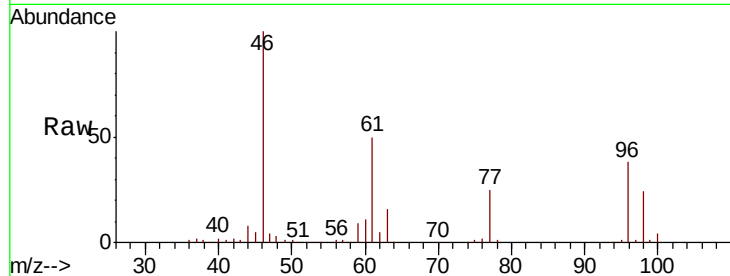


#22

cis-1,2-Dichloroethene
Concen: 2.965 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV008656.D
Acq: 19 Nov 2018 17:47

Instrument :
MSVOA_V
ClientSampleId :
H0FM5

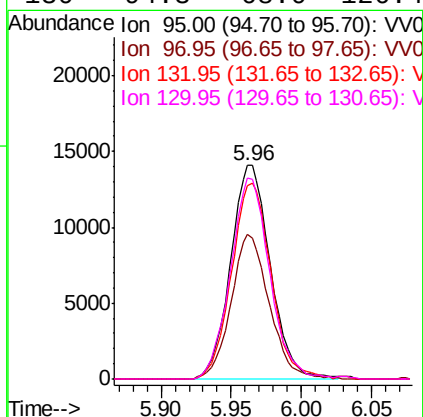
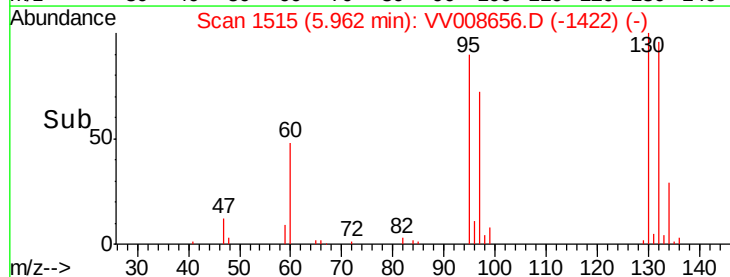
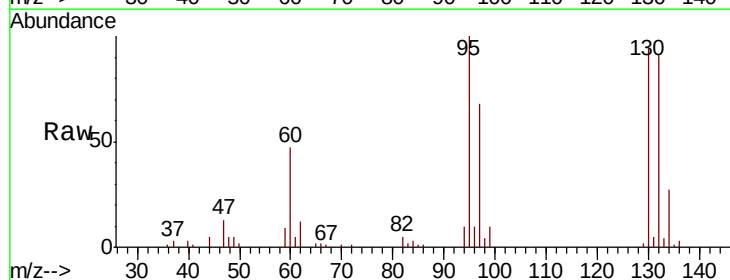
Tgt Ion: 96 Resp: 34734
Ion Ratio Lower Upper
96 100
61 131.3 93.2 173.2
68 0.0 0.0 0.0

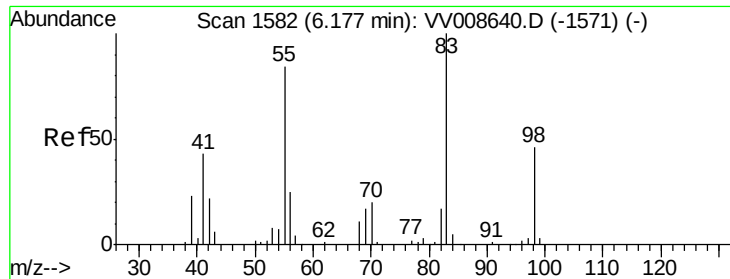


#34

Trichloroethene
Concen: 2.341 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV008656.D
Acq: 19 Nov 2018 17:47

Tgt Ion: 95 Resp: 27735
Ion Ratio Lower Upper
95 100
97 67.9 45.1 83.7
132 90.7 66.3 123.1
130 94.3 68.0 126.4

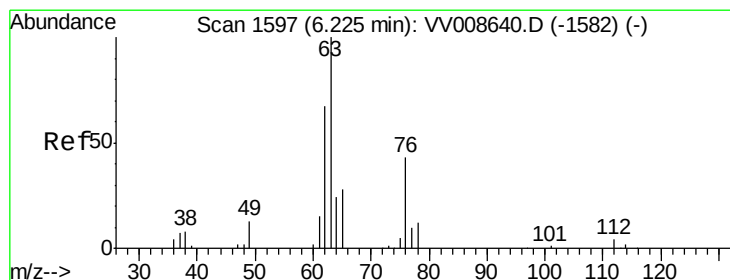
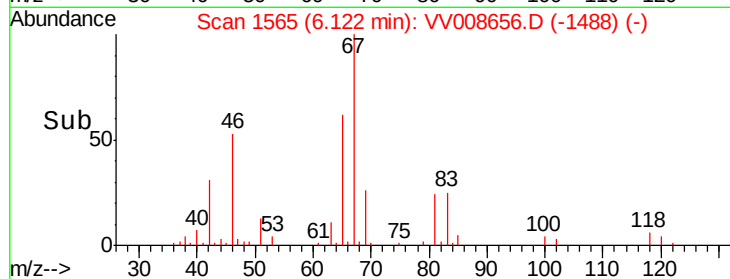
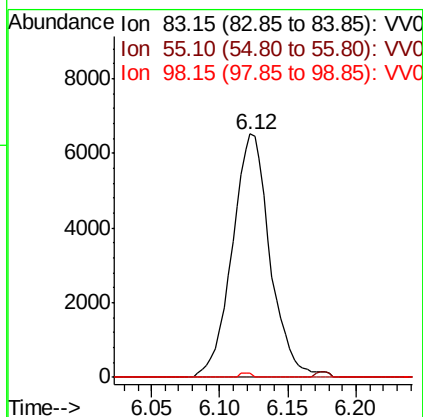
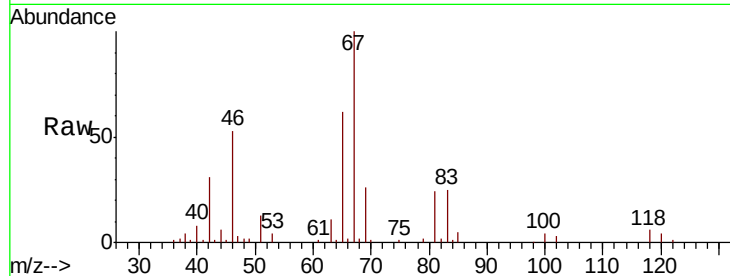




#35
Methylcyclohexane
Concen: 0.625 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV008656.D
Acq: 19 Nov 2018 17:47

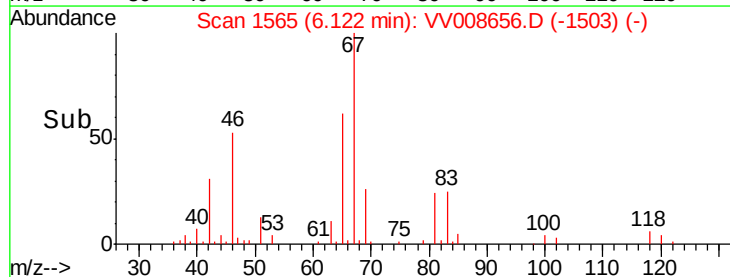
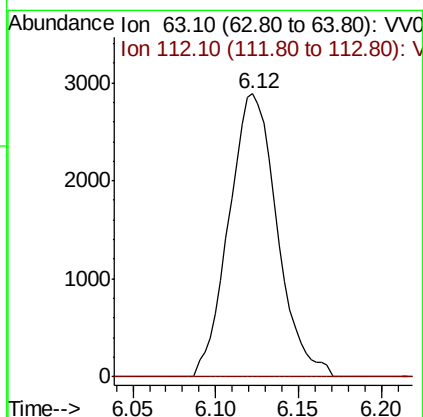
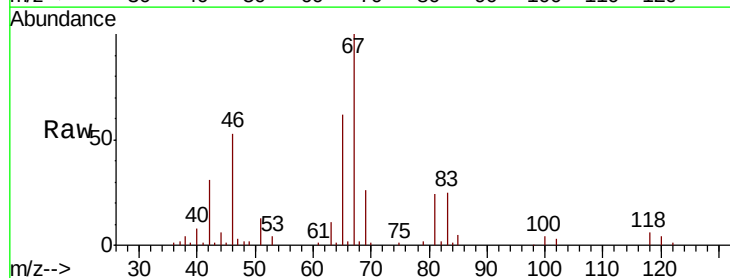
Instrument :
MSVOA_V
ClientSampled :
H0FM5

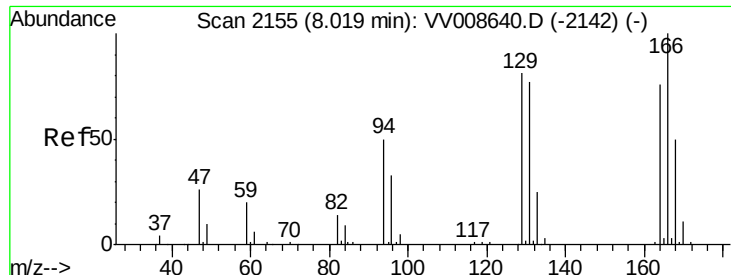
Tgt Ion: 83 Resp: 12549
Ion Ratio Lower Upper
83 100
55 0.8 65.6 98.4#
98 0.5 36.4 54.6#



#37
1,2-Dichloropropane
Concen: 0.495 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV008656.D
Acq: 19 Nov 2018 17:47

Tgt Ion: 63 Resp: 5831
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2#





#47

Tetrachloroethene

Concen: 6.253 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV008656.D

Acq: 19 Nov 2018 17:47

Instrument :

MSVOA_V

ClientSampleId :

H0FM5

Tgt Ion:164 Resp: 53617

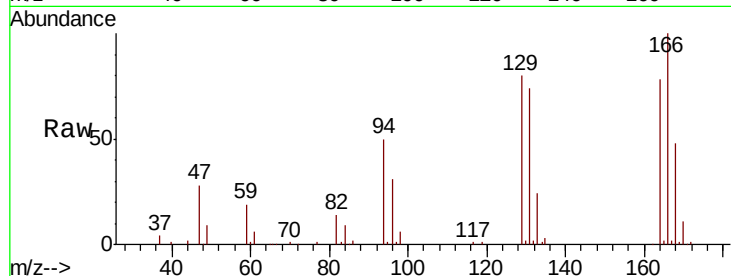
Ion Ratio Lower Upper

164 100

129 102.7 67.5 125.4

131 95.1 66.4 123.4

166 128.5 85.8 159.3

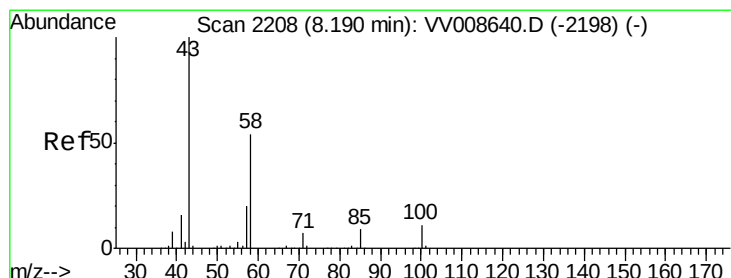
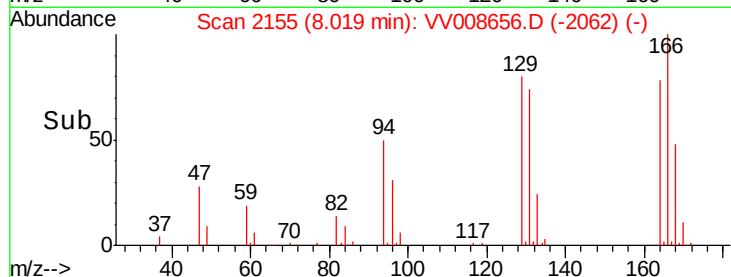
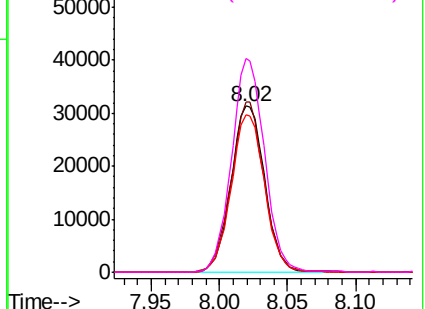


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.474 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.05 min

Lab File: VV008656.D

Acq: 19 Nov 2018 17:47

Tgt Ion: 43 Resp: 11518

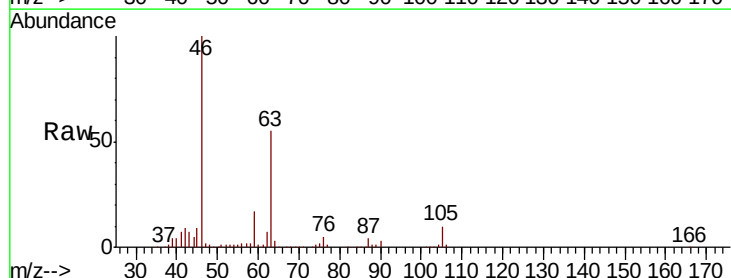
Ion Ratio Lower Upper

43 100

58 27.0 41.8 62.8#

57 27.4 15.4 23.0#

100 0.0 8.7 13.1#

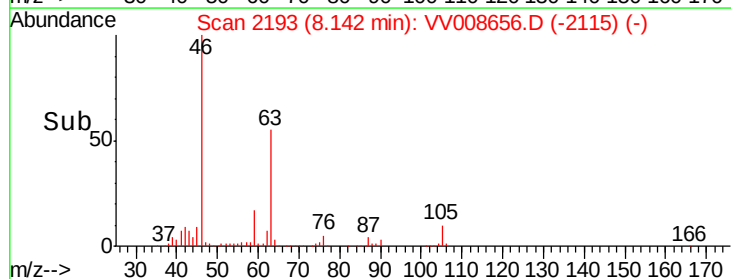
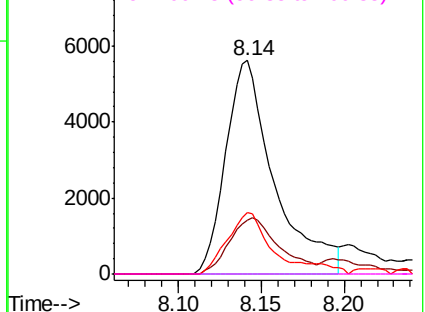


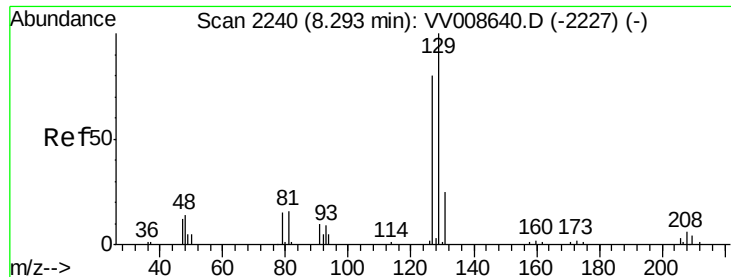
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49
 Dibromochloromethane
 Concen: 5.949 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.27 min
 Lab File: VV008656.D
 Acq: 19 Nov 2018 17:47

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FM5

Tgt Ion:129 Resp: 50739
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.6 101.4#

